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**From:** Guria, Peter  
**Sent:** Wed 9/9/2015 7:38:06 PM  
**Subject:** R9 San Juan River Surface Water And Sediment Data from 8/31 to Load  
[R09 Sediment Summary Table 09042015.xlsx](#)  
[R09 SurfaceWater Summary Table 09042015.xlsx](#)

**This data submission presents data for surface water and sediment samples collected on 8/31 from the San Juan River.** This data is ready to be posted on EPA.GOV/GOLDKINGMINE.

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#### Human Health Screening:

The reported concentrations on metals in San Juan River sediment samples collected on 31 Aug 2015 were compared to the health-based screening levels for a 64-day recreational exposure developed by R8 for this incident. **All metals in San Juan River sediment concentrations were below the recreational sediment screening levels.**

The reported dissolved and total concentrations on metals in surface water collected on 31 Aug 2015 were compared to the health-based screening levels for a 64-day recreational exposure developed by R8 for this incident; I also compared the dissolved metals concentrations to federal MCLs. **All metals concentrations (both dissolved and total) in San Juan River surface water were below the recreational surface water screening levels and all dissolved metals concentrations met (were below) federal MCLs.**

#### Navajo Nation Agricultural & Livestock Screening Levels:

The reported dissolved and total concentrations on metals in surface water were compared to current Agricultural and Livestock Watering screening levels developed by the Navajo Nation Water Quality Program. **All metals concentrations (both dissolved and total) in San Juan River surface water on 31 Aug 15 were below applicable Navajo Nation Agricultural and Livestock water screening levels except one exceedance of Navajo Nation Ag Water Supply for dissolved Aluminum at station SJMH.**

Ecological Screening:

**Surface Water** samples exceeded the available ecological benchmarks for the following metals/locations/dates (the criteria apply to dissolved concentrations; exceedances are reported for dissolved values only):

Dissolved Aluminum exceeding chronic and acute NRQWCs in 3 samples: SJ4C, SJMC and SJMH

Dissolved Barium exceeding acute NRQWCs (no chronic values are available) in 5 samples: SJ4C, SJLP, SJMC, SJMH and SJSR

Dissolved Copper exceeding chronic and acute NRQWCs in 1 sample: SJMH

Dissolved Iron exceeding chronic NRQWCs (no acute values are available) in 2 samples: SJMC and SHMH

Dissolved Lead exceeding chronic NRQWCs (no acute values are available) in 1 sample: SHMH

Dissolved Manganese exceeding chronic NRQWCs (no acute values are available) in 2 samples: SJ4C and SJMH

**Sediments: There were no instances of the sediments collected from these San Juan River sampling stations on August 31, 2015 exceeding the available benchmarks for ecological receptors.**

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Now – R9 EU Leader

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